



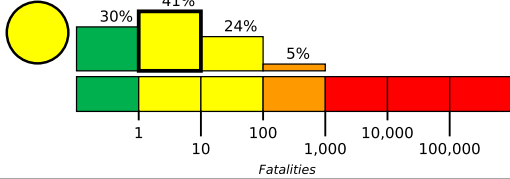
## M 5.4, 26 km NNW of Hert, Afghanistan

Origin Time: 2023-10-15 03:56:28 UTC (Sun 08:26:28 local)

Location: 34.5747° N 62.0974° E Depth: 10.0 km

Created: 3 weeks, 5 days after earthquake

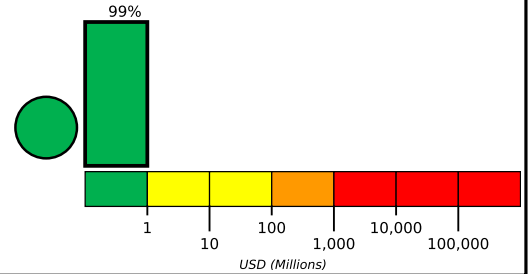
### Estimated Fatalities



Yellow alert for shaking-related fatalities. Some casualties are possible and the impact should be relatively localized. Past events with this alert level have required a local or regional level response.

Green alert for economic losses. There is a low likelihood of damage.

### Estimated Economic Losses

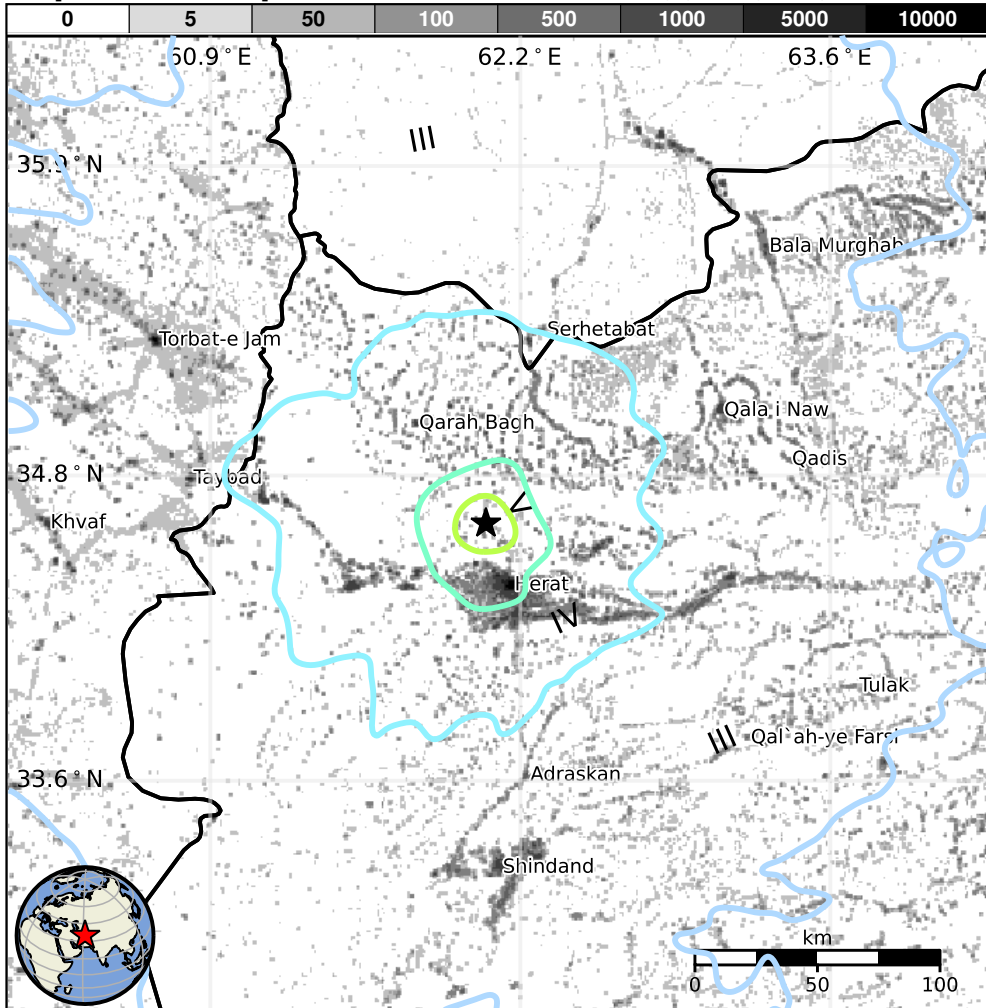


### Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) |                       | —*       | 2,582k | 1,219k | 833k     | 11k      | 0           | 0          | 0        | 0        |
|---|-----------------------|----------|--------|--------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY   |                       | I        | II-III | IV     | V        | VI       | VII         | VIII       | IX       | X+       |
| PERCEIVED SHAKING                       |                       | Not felt | Weak   | Light  | Moderate | Strong   | Very Strong | Severe     | Violent  | Extreme  |
| POTENTIAL DAMAGE                        | Resistant Structures  | None     | None   | None   | V. Light | Light    | Moderate    | Mod./Heavy | Heavy    | V. Heavy |
|   | Vulnerable Structures | None     | None   | None   | Light    | Moderate | Mod./Heavy  | Heavy      | V. Heavy | V. Heavy |

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud and timber post construction.

### Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1998-04-10 | 304        | 5.7  | VI(4k)     | 12             |
| 1979-11-14 | 228        | 6.5  | VI(4k)     | 280            |
| 1968-08-31 | 294        | 7.2  | IX(3k)     | 15k            |

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

| MMI | City                   | Population |
|-----|------------------------|------------|
| V   | Herat                  | 273k       |
| V   | Rabat-e Sangi-ye Pa'in | <1k        |
| V   | Injil                  | <1k        |
| IV  | Chahar Burj            | 12k        |
| IV  | Zindah Jan             | 10k        |
| IV  | Guzarah                | <1k        |
| III | Taybad                 | 38k        |
| III | Qala i Naw             | 9k         |
| III | Shindand               | 29k        |
| III | Torbat-e Jam           | 59k        |
| III | Ghormach               | 30k        |

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000lfnq#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000lfnq